

Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently Amended) A laser oscillator comprising:
a laser medium in which a phosphorescent material is dispersed at a concentration of not less than 10 wt% into a host material;~~and~~
an optical resonator for amplifying luminescence from ~~the~~ an excimer state of the phosphorescent material and for obtaining a laser beam; and
a pumping source for supplying pumping energy to the laser medium.
2. (Currently Amended) A laser oscillator comprising:
~~an~~ a film containing a laser medium formed ~~on~~ on-over a substrate;~~and~~
an optical resonator for obtaining a laser beam; and
a pumping source for supplying pumping energy to the laser medium;
wherein the laser medium includes a host material and a phosphorescent material dispersed into the host material at a concentration of not less than 10 wt%, and
wherein in luminescence from ~~the~~ an excimer state of the phosphorescent material, unidirectional light across the film containing the laser medium is amplified by the optical resonator.
3. (Currently Amended) A laser oscillator comprising:
a film containing a laser medium formed ~~on~~ on-over a substrate;~~and~~
an optical resonator for obtaining a laser beam; and
a pumping source for supplying pumping energy to the laser medium;
wherein the laser medium includes a host material and a phosphorescent material dispersed into the host material at a concentration of not less than 10 wt%, and

wherein in luminescence from ~~the~~an excimer state of the phosphorescent material, unidirectional light contained within a surface composed of the film containing the laser medium is amplified by the optical resonator.

4-5. (Canceled)

6. (Currently Amended) A laser oscillator comprising:
a light emitting element formed ~~on~~over a substrate;~~and~~
an optical resonator for obtaining a laser beam; and
a pumping source for supplying pumping energy to the light emitting element;
wherein the light emitting element includes a luminescent layer, an anode and a cathode,
the luminescent layer is interposed between the anode and the cathode,
wherein the luminescent layer includes a host material and a phosphorescent material
dispersed into the host material at a concentration of not less than 10 wt% as a laser medium,
wherein the anode and the cathode include a light transmitting property, and
wherein in luminescence from ~~the~~an excimer state of the phosphorescent material,
unidirectional light across the luminescent layer is amplified by the optical resonator.

7. (Currently Amended) A laser oscillator comprising:
a light emitting element formed ~~on~~over a substrate;~~and~~
an optical resonator for obtaining a laser beam; and
a pumping source for supplying pumping energy to the light emitting element;
wherein the light emitting element includes a luminescent layer, an anode, and a
cathode, the luminescent layer is interposed between the anode and the cathode,
wherein the luminescent layer includes a host material and a phosphorescent material
dispersed into the host material at a concentration of not less than 10 wt% as a laser medium, and

wherein in luminescence from ~~the~~an excimer state of the phosphorescent material, unidirectional light contained within a surface composed of the luminescent layer is amplified by the optical resonator.

8. (Currently Amended) A laser oscillator comprising:
a light emitting element formed ~~on~~over a substrate;~~and~~
a plurality of reflective materials;and
a pumping source for supplying pumping energy to the light emitting element;
wherein the light emitting element includes a luminescent layer, an anode and a cathode,
the luminescent layer is interposed between the anode and the cathode,
wherein the luminescent layer includes a host material and a phosphorescent material
dispersed into the host material at a concentration of not less than 10 wt% as a laser medium,
wherein the anode includes a light transmitting property,
wherein the luminescent layer is interposed between the cathode and the plurality of
reflective materials, and
wherein in luminescence from ~~the~~an excimer state of the phosphorescent material,
unidirectional light across the luminescent layer is amplified by the cathode and the plurality of
reflective materials.

9. (Original) The laser oscillator according to claim 6, wherein a hole transporting layer contacting with the luminescent layer is formed between the anode and the luminescent layer, the hole transporting layer has an ionization potential lower than that of the luminescent layer or the host material, or the hole transporting layer has an ionization potential higher than that of the luminescent layer or the host material with an energy gap of not more than 0.4 eV.

10. (Original) The laser oscillator according to claim 7, wherein a hole transporting layer contacting with the luminescent layer is formed between the anode and the luminescent layer, the hole transporting layer has an ionization potential lower than that of the luminescent

layer or the host material, or the hole transporting layer has an ionization potential higher than that of the luminescent layer or the host material with an energy gap of not more than 0.4 eV.

11. (Original) The laser oscillator according to claim 8, wherein a hole transporting layer contacting with the luminescent layer is formed between the anode and the luminescent layer, the hole transporting layer has an ionization potential lower than that of the luminescent layer or the host material, or the hole transporting layer has an ionization potential higher than that of the luminescent layer or the host material with an energy gap of not more than 0.4 eV.

12. (Original) The laser oscillator according to claim 1, wherein the phosphorescent material generates luminescence having two or more peaks in a wavelength region of not smaller than 500 nm and not larger than 700 nm, and any one of the two or more peaks is excimer emission.

13. (Original) The laser oscillator according to claim 2, wherein the phosphorescent material generates luminescence having two or more peaks in a wavelength region of not smaller than 500 nm and not larger than 700 nm, and any one of the two or more peaks is excimer emission.

14. (Original) The laser oscillator according to claim 3, wherein the phosphorescent material generates luminescence having two or more peaks in a wavelength region of not smaller than 500 nm and not larger than 700 nm, and any one of the two or more peaks is excimer emission.

15. (Original) The laser oscillator according to claim 6, wherein the phosphorescent material generates luminescence having two or more peaks in a wavelength region of not smaller than 500 nm and not larger than 700 nm, and any one of the two or more peaks is excimer emission.

16. (Original) The laser oscillator according to claim 7, wherein the phosphorescent material generates luminescence having two or more peaks in a wavelength region of not smaller than 500 nm and not larger than 700 nm, and any one of the two or more peaks is excimer emission.

17. (Original) The laser oscillator according to claim 8, wherein the phosphorescent material generates luminescence having two or more peaks in a wavelength region of not smaller than 500 nm and not larger than 700 nm, and any one of the two or more peaks is excimer emission.

18. (New) The laser oscillator according to claim 1, wherein the phosphorescent material includes an organic metal complex with platinum as its central metal.

19. (New) The laser oscillator according to claim 2, wherein the phosphorescent material includes an organic metal complex with platinum as its central metal.

20. (New) The laser oscillator according to claim 3, wherein the phosphorescent material includes an organic metal complex with platinum as its central metal.

21. (New) The laser oscillator according to claim 6, wherein the phosphorescent material includes an organic metal complex with platinum as its central metal.

22. (New) The laser oscillator according to claim 7, wherein the phosphorescent material includes an organic metal complex with platinum as its central metal.

23. (New) The laser oscillator according to claim 8, wherein the phosphorescent material includes an organic metal complex with platinum as its central metal.

24. (New) The laser oscillator according to claim 1, wherein the pumping source is an excitation light source or a power source for excitation.

25. (New) The laser oscillator according to claim 2, wherein the pumping source is an excitation light source or a power source for excitation.

26. (New) The laser oscillator according to claim 3, wherein the pumping source is an excitation light source or a power source for excitation.

27. (New) The laser oscillator according to claim 6, wherein the pumping source is an excitation light source or a power source for excitation.

28. (New) The laser oscillator according to claim 7, wherein the pumping source is an excitation light source or a power source for excitation.

29. (New) The laser oscillator according to claim 8, wherein the pumping source is an excitation light source or a power source for excitation.